

YS90H100-4-18-15-S

90° Hybrid Coupler, 100 W, 4-18 GHz, 15 dB Isolation, SMA

Key Features

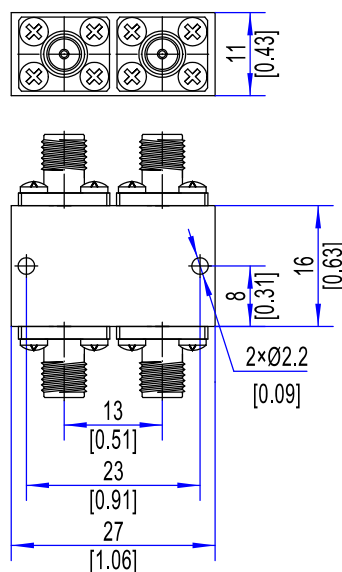
- Equal power split
- Quadrature (90°) output
- High port isolation
- Low insertion loss
- Excellent amplitude & phase balance

Applications

- IQ modulation & demodulation
- Balanced amplifiers
- Balanced mixers
- Phased array systems
- Test & measurement systems

Electrical Specifications		
1	Frequency Range	4-18 GHz
2	Insertion Loss	≤1.4 dB
3	VSWR	≤1.70:1
4	Isolation	≥15 dB
5	Amplitude Balance	≤±0.9 dB
6	Phase Balance	≤±6°
7	Power Handling	100 W(CW)
Environmental Specifications		
1	Operating Temperature	-55°C to +85°C
Mechanical Specifications		
1	Connectors	SMA Female
2	Surface Finishing	Natural Conductive Oxidation
3	Dimensions ¹	27×16×11 mm / [1.06×0.63×0.43 in]

Outline Drawing (Units: mm/[inch], Tolerance: ±0.2 mm)



Note 1: Excluding Connector size